

RECEIVED  
CENTRAL FAX CENTER  
DEC 20 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

GLEN A. OROSS

HP Docket No. 200308977-1

Serial No. : 10/616,677

Examiner R. Blackman

Filed : July 8, 2003

Group Art Unit 2851

For : DIGITAL PROJECTOR ACCESS PANEL

Mail Stop AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

DECLARATION UNDER 37 C.F.R. § 1.131

I declare as follows:

1. I am the inventor who, on July 8, 2003, filed the above-identified application. At the time of such invention, I was an employee of Hewlett-Packard Development Company, L.P.

2. Prior to January 31, 2003, the filing date of the application from which U.S. Patent Application Publication No. 2003/0151922 A1 published, I conceived of my invention, and reduced my invention to practice, as demonstrated by HP Disclosure No. 200308977, a redacted copy of which is attached as Exhibit 1.

3. HP Invention Disclosure No. 200308977 (Exhibit 1) is dated January 9, 2003. HP Invention Disclosure No. 200308977 was completed prior to January 31, 2003, the filing date of U.S. Patent Application Publication No. 2003/0151922 A1.

Page 1

DECLARATION UNDER 37 C.F.R. § 1.131  
Serial No. 10/616,677  
HP Docket No. 200308977-1  
KH Docket No. HPCC 395

4. Exhibit 1 demonstrates my conception of a digital projector configured to mount to a ceiling, wherein the digital projector includes a projector housing and a manually openable panel that provides access to the interior of the projector housing, where the panel remains associated with the projector housing while open, and wherein the digital projector is configured so that the panel is accessible when the digital projector is mounted to the ceiling.

5. Exhibit 1 also demonstrates my conception of a method of making a digital projector, which includes: providing a projector housing; providing a projector access panel; connecting the access panel to the projector housing, so that the access panel remains associated with the projector housing while open; configuring the access panel to be manually openable; and configuring the access panel to be accessible when the digital projector is mounted to a ceiling.

6. Exhibit 1 also demonstrates my conception of a method of changing a lamp in a digital projector, where the digital projector includes a manually openable panel that provides access to the lamp, and that remains associated with the projector while open, and where the digital projector is mounted to a ceiling, the method including: manually opening the panel; removing a lamp module from the projector; removing the lamp from the lamp module; inserting a replacement lamp in the lamp module; and inserting the lamp module in the projector.

7. Exhibit 1 also demonstrates my conception of a method of upgrading a digital projector, where the digital projector includes a manually openable panel that provides access to a projector component that is a control panel module, where the panel remains associated with the projector while open, the method including: manually opening the panel; and upgrading the control panel module; where

Page 2

DECLARATION UNDER 37 C.F.R. § 1.131  
Serial No. 10/616,677  
HP Docket No. 200308977-1  
KH Docket No. HPCC 395

upgrading the component includes removing the component and inserting a replacement component.

8. Exhibit 1 also demonstrates my conception of a digital projector, including means for projecting an image, means for housing the projecting means, and means for providing access to the interior of the housing means, where the means for providing access is manually operable and remains associated with the housing means, and is accessible when the digital projector is mounted to a ceiling.

9. Following my conception prior to January 9, 2003, I diligently worked toward creation of a commercial implementation of my invention. Such commercial implementation was constructed by Hewlett-Packard Development Company, L.P. in 2003. The present patent application was filed on July 8, 2003.

10. All acts set forth herein and/or relied upon for the purpose of establishing invention prior to January 31, 2003 were carried out in the United States.

11. I declare that all statements made herein of my knowledge are true and all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under § 1001 of Title 18 of the United States Code. I understand that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date: 12-15-04

  
\_\_\_\_\_  
Glen A. Gross

**Disclosure No. 200308977**

Invention Disclosure - DBI Document No. 6BKP

PD No.  
200308977Date Received  
1/9/03Collection  
IPG

The information contained in this document is HP CONFIDENTIAL and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

**General Information****Title** Projector Access Door**Abstract** A door that the user can easily open for servicing the projector or to access replaceable components inside the projector.**Projects** Candela**Attachments** 1 projector-cover.pdf - [REDACTED] access door sketch (Uploaded by Glen Gross)**Description of Invention****Problems Solved** With current projectors the user must unscrew a number of screws to access the bulb for replacement. To do any other service to the projector the technician must remove case parts to access components. These two tasks are very difficult when a projector is mounted on the ceiling. The above-mentioned tasks also force the user to use tools he or she may not have at their disposal.**Prior Solutions** Screw off covers**Description** A cover or lid with hinge on the top surface of the projector that opens and closes using a slide latch or push button mechanism. The door would swing open allowing the use to access the components inside the projector such as the bulb or replacement modules. When the projector is mounted on the ceiling the user can pull the door down and easily install a new bulb. Instruction could be printed inside the door to provide direction for service**Advantages**

- Easy access to bulb for bulb replacement and warranty verification
- Easy access to smart modules or other upgradeable components
- Easier maintenance for audio video dealer and service people
- Instruction under the access door resulting in less service calls
- No frustration for the user to replace the bulb

**Invention History**

Exhibit 1

Built Yes - 12/12/02

 Inventor Information

Inventors Glen Gross Hewlett-Packard Company Corvallis

 Witnesses

Witnesses Dave Smith Hewlett-Packard Company Corvallis

Dennis R Esterberg Hewlett-Packard Company Corvallis

 Classification

Recommended IPG: Emerging Technologies: Display Technology  
Classification

Keywords Digital Projector

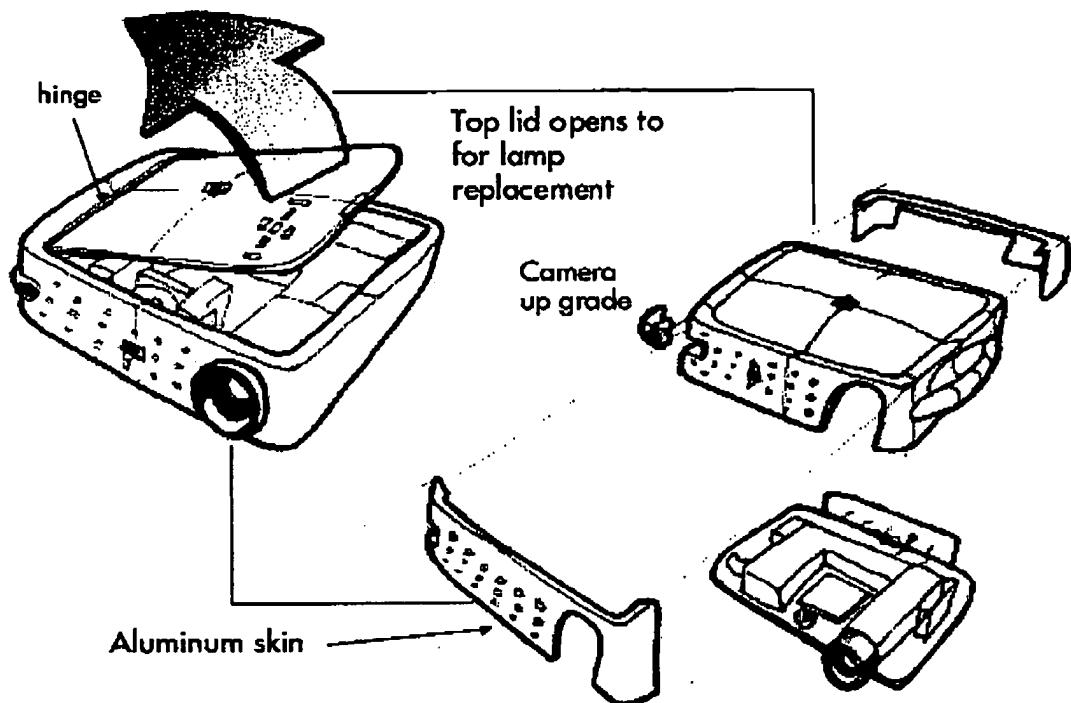
 Administrative Record

Date Submitted December 30, 2002 3:59PM

Legal Clerk	Jessica (Jessica) Fusek	Hewlett-Packard Company	San Diego	(0000-
		103)	jessica_fusek@non.hp.com	+1 (208) 396-3575

PD Number 200308977

Date Received by January 9, 2003  
Legal



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.